**Index of Claims** 

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10/612,596

Examiner

BUSSE, REED F.

Applicant(s)/Patent under Reexamination

Art Unit

2859

Dixomara Vargas

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|-------------------|------------------|----------|----------|---------|---|-----------------|---------------------|-----------------|----------|-----------------|----------|-----------------|---------|-------------------|-----------------|----------|-------------------------|----------|-----|---------------|------------|----------------|---------|---------|---------|--------------|-----------------|-----------|---------------|
| Final             | Original         | 3/15/05  |          |         |   |                 |                     |                 |          | Final           | Original |                 |         |                   |                 |          |                         |          |     | Final         | Original   |                |         |         |         |              |                 |           |               |
|                   | 1                | =        |          | ╅       | <u> </u>  | İ               |                     |                 | 7        |                 | 51       |                 | $\top$  | 1                 | Н               | $\top$   | $\top$                  |          | Ì   |               | 101        |                |         | $\top$  | +-      | T            | Н               | $\dashv$  | П             |
|                   | 2                | =        |          | $\top$  |   |                 |                     |                 |          |                 | 52       |                 |         |                   | $\Box$          |          | $\Box$                  |          |     | T             | 102        | $\Box$         |         | $\top$  | T       | T            | П               | コ         | П             |
|                   | 3                | =        |          |         | Ī   |                 |                     |                 |          |                 | 53       |                 |         | 1                 | П               | 1        | $\Box$                  |          | ľ   |               | 103        | $\Box$         |         | T       | T       | <b></b>      | П               |           | $\overline{}$ |
|                   | 4                | =        |          |         |   |                 |                     |                 |          |                 | 54       | П               |         |                   |                 |          |                         |          | Ī   |               | 104        | $\exists$      |         |         | T       |              | П               | П         | П             |
|                   | 5                | =        |          |         |   |                 |                     |                 |          |                 | 55       |                 |         |                   |                 |          | П                       |          | ſ   |               | 105        |                |         |         |         |              | П               | П         | П             |
|                   | 6                | =        |          |         |   |                 |                     |                 |          |                 | 56       |                 |         |                   |                 |          |                         |          |     |               | 106        |                |         |         |         |              |                 |           |               |
|                   | 7                | =        |          | _       | $oldsymbol{ol}}}}}}}}}}}}}}}}}$ |                 | Ш                   |                 |          |                 | 57       |                 | $\perp$ |                   | Ш               |          |                         |          |     |               | 107        |                |         |         | ┸       |              |                 |           |               |
| $\vdash$          | 8                | =        |          | ┸       | _   |                 |                     | Ш               | _        | L               | 58       | $\perp$         | $\perp$ | $\bot$            | $\sqcup$        | $\bot$   | $\bot$                  |          |     |               | 108        | $\Box$         | $\perp$ | $\perp$ | _       |              |                 | $\sqcup$  |               |
|                   | 9                | =        | _        | ┵       | $\perp$   | Ш               | Ш                   | $\sqcup$        | _        |                 | 59       |                 | _       | $\perp$           | $\sqcup$        | $\perp$  | +                       |          | -   |               | 109        |                |         | _       |         | _            | Щ               | _         | _             |
|                   | 10               | =        | -        | 4       | 1   |                 | Ш                   | L.              | _        | <u> </u>        | 60       | $\perp$         | $\bot$  | $\bot$            | $\sqcup$        | -        | +                       |          | -   |               | 110        |                | $\perp$ | 4       |         | <u> </u>     |                 |           |               |
|                   | 11               | =        |          | +       | +   | Н               | Н                   | $\vdash$        |          |                 | 61       | $\vdash$        | _       | $\perp$           | $\sqcup$        |          | 1-1                     |          | -   |               | 111        |                | -       | +       |         | ļ            |                 | _         | _             |
|                   | 12               | =        | +        | +       | +   | $\vdash$        | $\vdash$            | $\vdash \vdash$ |          | <u> </u>        | 62       | $\vdash \vdash$ | +       | +                 | $\vdash \vdash$ |          | +                       | Щ.       | 1   |               | 112        | $\dashv$       | _       | +       | +       | $\vdash$     | $\vdash$        | $\dashv$  | $\dashv$      |
|                   | 13               | =        | +        | +-      | +   | $\vdash$        | ⊢⊦                  | $\vdash \vdash$ |          | -               | 63       | $\vdash \vdash$ | - -     | +                 | $\vdash$        | +        | 1-1                     |          | ŀ   |               | 113        | $\dashv$       | +       | +       | +       | ┼            | $\vdash \vdash$ |           | $\dashv$      |
|                   | 14<br>15         | =        | +-       | +       | +   | $\vdash$        | $\vdash\vdash$      | $\vdash \vdash$ |          |                 | 64<br>65 | -               | +       | +                 | $\vdash \vdash$ |          | ╂═┤                     |          | 1   |               | 114<br>115 | -              | -       | - -     | +       | $\vdash$     | $\vdash \vdash$ | $\dashv$  | $\dashv$      |
|                   | 16               | =        | $\dashv$ | +       | +   | Н               | Н                   | $\vdash$        |          |                 | 66       | ┝               | +       |                   | $\vdash$        | -        | ╁                       |          | 1   |               | 115        | -              |         | +       | +       | +            | $\vdash \vdash$ |           | $\dashv$      |
|                   | 17               | =        |          | +       | +   | Н               | $\vdash$            |                 |          |                 | 67       | -               |         |                   | $\vdash$        | +        | +                       |          | ŀ   |               | 116<br>117 | $\dashv$       | +       | +       | +       | ╁            | Н               | $\dashv$  | $\dashv$      |
|                   | 18               | ╗        | +        | ╁       | ╁   | Н               | $\vdash$            | ┯               | -        |                 | 68       | +               | +       | +                 | $\vdash$        | +        | +                       |          | ŀ   |               | 118        | $\dashv$       | +       | +       | ╁╴      | ⊢            | H               | $\dashv$  | $\dashv$      |
|                   | 19               | ╗        | -        | ╁       | ╁   | Н               |                     | $\vdash$        |          |                 | 69       |                 |         | +                 | H               | +        | +                       |          | -   |               | 119        | +              | +       | - -     | ┿       | ⊢            | $\vdash$        | $\dashv$  | $\dashv$      |
|                   | 20               | =        | $\dashv$ | +       | 1   |                 | Н                   | $\dashv$        | $\dashv$ |                 | 70       | ╁               |         | +                 | $\vdash$        |          | ╁┼                      |          | 1   |               | 120        | +              | +       | ┿       | +       | $\vdash$     | $\vdash$        | $\dashv$  | $\dashv$      |
|                   | 21               | =        | 十        | +       | +   |                 | H                   | $\vdash$        | -        |                 | 71       | $\vdash$        |         | +                 | $\vdash$        | +        | +                       | $\dashv$ | ŀ   | $\dashv$      | 121        | 十              |         | +       | +       | $\vdash$     | $\vdash$        | $\dashv$  | $\dashv$      |
|                   | 22               | ╗        |          | ╁       | 1   |                 |                     | $\vdash$        | -        |                 | 72       | -               | +       | +                 | $\vdash$        | +        | 1                       |          | ŀ   |               | 122        | $\dashv$       | +       | +       | +       | ┼            | $\vdash$        | $\dashv$  | $\dashv$      |
|                   | 23               | =1       | _        | +       |   | H               |                     |                 |          |                 | 73       | $\dashv$        | _       | $\top$            | $\vdash$        | $\dashv$ | 1                       |          | ŀ   | -             | 123        | $\dashv$       | -+      | $^{+}$  | +       | <del> </del> |                 | $\dashv$  | $\dashv$      |
|                   | 24               | T        |          | +       |   |                 |                     |                 |          |                 | 74       |                 | _       | 11                | H               | $\dashv$ | +                       | $\dashv$ | ŀ   |               | 124        | $\dashv$       | +       | +       | +       | ╁╴           | $\vdash$        | 十         | $\dashv$      |
|                   | 25               | $\neg$   |          | Т       |   | П               | П                   |                 |          |                 | 75       |                 | _       | 11                |                 |          | $\top$                  |          | ij  |               | 125        | 一              | _       | $\top$  | $^{+}$  | $\vdash$     | $\vdash$        | 十         | $\dashv$      |
|                   | 26               | T        |          | Т       |   | П               | П                   |                 |          |                 | 76       |                 |         | $\top$            | Ħ               |          | $\Box$                  |          | Ħ   |               | 126        | $\exists$      | _       |         | +       | <u> </u>     | $\vdash$        | 一         | ᅥ             |
|                   | 27               |          |          |         |   |                 |                     |                 |          |                 | 77       |                 |         | П                 |                 |          | $\Box$                  |          | Ī   |               | 127        | 一              |         |         |         |              | $\Box$          | ヿ         | ┪             |
|                   | 28               |          |          |         |   |                 |                     |                 |          |                 | 78       |                 |         |                   |                 |          | $\Box$                  |          |     |               | 128        |                |         |         | $\top$  |              |                 | $\exists$ | ヿ             |
|                   | 29               |          |          |         |   |                 |                     |                 |          |                 | 79       |                 |         |                   |                 |          |                         |          | ij٢ |               | 129        |                |         |         | Т       |              | П               | $\neg$    |               |
|                   | 30               | $\perp$  |          |         |   | Ш               |                     |                 |          |                 | 80       |                 |         |                   |                 |          | П                       |          | E   |               | 130        |                |         |         | Т       |              | $\Box$          | $\neg$    |               |
|                   | 31               |          |          | ┸       | 丄   | Ш               | Ш                   |                 | _        |                 | 81       |                 |         |                   |                 |          |                         |          |     |               | 131        |                |         |         |         |              |                 | $\Box$    |               |
|                   | 32               | _        |          | $\bot$  | ╄-  | Щ               | Ш                   |                 | _        |                 | 82       |                 |         | $\perp$           | $\perp$         |          | $\perp \perp$           | _ :::    |     |               | 132        |                |         |         | $\perp$ |              |                 | $\sqcup$  |               |
|                   | 33               |          |          | 4       | ┞   | Ш               | Ш                   | _               | _ ::::   |                 | 83       | $\perp$         | 4       | $\sqcup$          | $\perp$         | Щ.       | $\downarrow \downarrow$ |          | L   |               | 133        | _              | $\bot$  | $\perp$ | 1       | _            |                 | _         |               |
|                   | 34               | _        | +        | +       | 1   | $\vdash \vdash$ |                     | _               | -        |                 | 84       | $\perp$         | -       | $\perp$           |                 | $\perp$  | 1                       | _        | ļ   |               | 134        | _              | $\perp$ | $\bot$  | $\perp$ | <u> </u>     | Щ               |           |               |
|                   | 35               | $\dashv$ | +-       |         | ╀   | H               | $\vdash \downarrow$ | $\dashv$        |          | <u> </u>        | 85       | $\dashv$        | +-      | +                 | $\vdash$        | $\perp$  | 11                      | _        | ŀ   |               | 135        | _              | $\perp$ | $\perp$ | $\bot$  | <u> </u>     | $\sqcup$        |           | _             |
| -   -             | 36<br>37         | +        | +        | +-      | $\vdash$  | $\vdash \vdash$ | $\vdash \vdash$     | +               | -        |                 | 86       | -+              | +       | $\vdash$          |                 |          | +                       |          | ŀ   |               | 136        |                | +       | +       | +       | $\vdash$     | $\sqcup$        | 4         |               |
|                   | 3 <i>1</i><br>38 | +        | +        | 1       | 1-  | $\vdash$        | $\vdash$            | +               | -        | <u> </u>        | 87       | +               | +       | $\vdash$          | $\dashv$        | +        | +                       |          | ŀ   |               | 137        | +              |         | +       | +-      | _            | $\vdash$        |           | _             |
|                   | 38<br>39         | +        | +        | +       | +-  | $\vdash$        |                     | +               | - ::::   | $\vdash$        | 88<br>89 |                 | +       | +                 | $\dashv$        | +        | ╂                       |          | ŀ   |               | 138        |                | +       | +       | +       | <b>├</b> ─   | $\vdash$        |           |               |
| <del></del>       | 10               | +        | $\dashv$ | +       | +-  | $\vdash \vdash$ | $\vdash$            | +               | -        | $\vdash$        | 90       | -               | +       | ++                | $\dashv$        | +-       | +                       |          | ŀ   | -             | 139<br>140 | $\dashv$       | +       | +       | +       | $\vdash$     | $\dashv$        | -         | $\dashv$      |
|                   | 11               | +        | +        | +       | $\vdash$  | $\vdash$        | $\vdash$            | +               | $\dashv$ |                 | 91       |                 | +       | +                 | +               | - -      | +-+                     |          | ŀ   |               |            | -+             | +       | ╁       | +       |              | $\dashv$        | -         | $\dashv$      |
| <del>-   </del> 2 | 12               | +        | +        | +       | <del>                                     </del>  | $\vdash$        | -                   | $\dashv$        | -        | $\vdash \vdash$ | 92       |                 | +       | +                 | $\dashv$        | +        | +                       |          | ŀ   | - +           | 141        | $\dashv$       | +       | +       | +       | $\vdash$     | $\dashv$        | $\dashv$  | $\dashv$      |
|                   | 13               | +        | +        | ╁       | $\vdash$  | $\vdash$        | -                   | $\dashv$        | -        | $\vdash \vdash$ | 93       |                 | +       | +                 | $\dashv$        | +        | +                       | !!       | ŀ   | <del> i</del> | 143        | +              | +       | +       | +       | $\vdash$     | $\dashv$        | $\dashv$  | $\dashv$      |
| <del>-   2</del>  | 14               | $\dashv$ | +        | +       | +   | $\vdash$        | $\dashv$            | +               | -        |                 | 94       | $\dashv$        | +       | +                 | $\dashv$        | +        | ╁┼┼                     | $\dashv$ | ∦   |               | 144        | $\dashv$       | +       | ╁       | ╁       | -            | -               | $\dashv$  | $\dashv$      |
| 14                | 15               | 十        | 1        | T       | $\vdash$  | $\vdash$        | $\dashv$            | -+              | 7        |                 | 95       | $\dashv$        | +-      | +-+               | $\dashv$        | +        | 1 1                     | $\dashv$ | ŀ   |               | 145        | $\dashv$       | +       | +       | +       | $\vdash$     | -               | $\dashv$  | $\dashv$      |
| 14                | 16               | 十        | $\top$   | T       | П   |                 | $\Box$              | $\dashv$        | $\dashv$ |                 | 96       | _               | +-      | +                 | $\dashv$        | +        | ++                      | -        | ŀ   |               | 146        | $\dashv$       | +       | +       | ✝       | $\vdash$     | $\dashv$        | $\dashv$  | $\dashv$      |
|                   | 17               |          |          | T       | П   |                 | 7                   |                 | 7        |                 | 97       | _               | $\top$  | +                 | 十               | +        | 1 -                     |          | ∦   | $\dashv$      | 147        | $\dashv$       | +       | ╁       | $t^{-}$ | $\vdash$     | _               | $\dashv$  | $\dashv$      |
| 4                 | 18               | $\neg$   | T        | $T^{-}$ | П   |                 | 一                   | $\neg$          |          |                 | 98       | $\dashv$        | $\top$  | $\dagger \dagger$ | $\dashv$        | $\top$   | 1 1                     |          | ŀ   | $\neg$        | 148        | $\neg \dagger$ | +       | +-      | $\top$  |              | $\dashv$        | 十         | $\dashv$      |
| 4                 | 19               |          |          |         |   |                 |                     |                 |          |                 | 99       |                 | T       | $\sqcap$          | 十               | 7        | $\sqcap$                | 7        | ľ   |               | 149        | $\neg$         | $\top$  | 1       | 1       | П            | 一               | 1         | ヿ             |
|                   | 50               |          |          |         |   |                 |                     |                 |          |                 | 100      | $\Box$          | T       |                   |                 | $\top$   |                         |          |     |               | 150        |                |         | T       | 1       | П            |                 |           | ヿ             |